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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No BH001

SHEET 1 of 1

REFERENCE No H10619

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Cut 1 COORDINATES _____

PROJECT No FG5825 SURFACE R.L. m PLUNGE _____ DATE STARTED 24/8/09 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 24/8/09 DRILLER R & D Drilling

QLD_DMR_LIB_01_GLB_Log_A_ENGINEERING_BOREHOLE_LOG_W_LITHOLOGY_FG5825_BRUCE_HWY_COOROY-CURRA_SECTION_A_BHS_GP_J_DWG55012.GDW_Digital CPT Tool gINT Add-in: 12/05/2010 10:28

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
													EH
0					SILT Mottled grey, dry, non-cohesive.						Driller's log only		
0.5				A	Sandy SILT Brown, moist, very stiff, fine grained.	(ML)					7,9,10 N=19	SPT	
1.0					Low plasticity, traces of organics.								
1.5				B	Sandy CLAY Pale grey, moist, very stiff, fine grained.						5,7,8 N=15	SPT	
2.0					High plasticity.								
2.5					Red iron-cemented nodules in parts up to 5mm.								
3.0				C		(CH)					7,11,12 N=23	SPT	
3.5													
4.0				D							6,9,12 N=21	SPT	
4.5													
5.0				E							6,11,12 N=23	SPT	
5.5													
6.0				F	SANDSTONE (XW): Generally exhibits the engineering properties of pale grey, moist, dense, fine to medium grained.						No sample (based on driller's log only)	7,11,15 N=26	SPT
6.5					Becoming coarser grained with depth.								
7.0				G		XW					▽ 7/10/09	9,13,18 N=31	SPT
7.5					Detailed defect descriptions are shown on Form GEOT553/8 attached.								
8.0				H							11,23,20 N=43	SPT	
8.5			(52)		SANDSTONE (HW): Pale grey with orange mottling, fine to coarse grained, bedded.								
9.0					Defects widely spaced.						Is(50) = 0.02MPa	o	
9.2					Defects generally dip at 35-40°.						Band of high strength ferricrete		
9.4			100		Defect surfaces are typically clean.						Is(50) = 0.07MPa	x	
9.5					9.4 - 9.5m: XW Siltstone bed.	X X							
9.5					Borehole terminated at 9.5m								

REMARKS Detailed defect descriptions are shown on Form GEOT553/8 attached. Standpipe piezometer installed at base of hole.

LOGGED BY
JA

Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**

Borehole No: **BH 1**

Start Depth: 8.00m

Finish Depth: 9.50m

Project No: FG5825

H No: 10619



SCALE 1:5

F:GEOT043/1